

ABSTRACT

One embodiment of a low-profile transducer includes a at least one fin
perpendicularly mounted on a planar diaphragm, with a voice coil mounted onto the fin. The
voice coil may reside in a strong uniform magnetic field. The locations at which the
5 diaphragm is connected to a frame may be coplanar with a center of mass of the diaphragm.
The three-dimensional structure of diaphragm and fins may be formed using origami
techniques.